

JUL 01 2005

PATENT

## UNITED STATES PATENT AND TRADEMARK OFFICE

Honeywell No. H0004595

(MBHB Case No. 03-043)

IN THE APPLICATION OF:

Lakshman S. Withanawasam

Serial No. 10/706,149

Filed: November 12, 2003

Title: 360-Degree Magnetoresistive  
Rotary Position Sensor

Examiner: Aurora, Reena

Group Art Unit: 2826

**RESPONSE TO OFFICE ACTION MAILED JUNE 3, 2005**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In the Office Action mailed June 3, 2005, a restriction requirement was issued with respect to (1) Claims 1-11 and 16-18, directed to a 360-degree rotary position sensor, and (2) Claims 12-15, directed to a method of making a 360-degree rotary position sensor. An election of Group I or II was required. Applicants respectfully traverse.

The Examiner stated that "the product as claimed can be made by a materially different process such as instead of forming on a common substrate this particular sensor can be mounted on the substrate." Applicants respectfully disagree. The sensor as claimed and as set forth in the detailed

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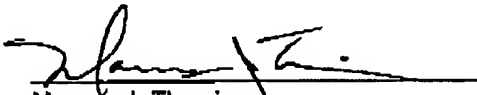
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description and figures calls for the semiconductor substrate to "have" an angular sensor and a linear sensor, meaning the angular and linear sensors are formed on the substrate, rather than being separate devices simply mounted on the substrate. In this configuration, the angular and linear sensors are subject to similar manufacturing conditions and device characteristics as one another. Another possible advantage is reduced size of the rotary position sensor that may result from the semiconductor having both an angular sensor and a linear sensor.

Should the restriction requirement be maintained, Applicants elect Group I (Claims 1-11 and 16-18). The Examiner is invited to contact the undersigned representative, if further discussion is warranted. Neil Patel, whom the Examiner attempted to contact on May 25, 2005, is no longer at McDonnell Boehnen Hulbert & Berghoff LLP, the law firm that filed the present application, and is thus no longer associated with the present application.

Respectfully submitted,

Date: July 1, 2005



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